

**FAX****To** Examiner Ali Reza Salimi**Company** United States Patent & Trademark Office**Fax** (571) 273-0909**From** Audrey Boyd for William R. Majarian**Fax** (610) 270-5090**Tel** 610-270-5072**E-mail** Audrey.A.Boyd@gsk.com**Date** May 21, 2004 **Pages including cover** 9**Subject** IDS, 1449 and EP Search Report for  
Application Serial No. 10/070,479  
Attorney Docket No.: B45198

GlaxoSmithKline

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Examiner Salimi:

As requested, attached please find the Information Disclosure Statement, 1449 Form, EP Search Report, and the date-stamped postcard in the above-referenced application. These documents were previously submitted to the U.S. Patent & Trademark Office on April 1, 2004.

Please do not hesitate to contact William Majarian at (610) 271-5968 if you have further questions.

Very truly yours,

Audrey Boyd for William R. Majarian  
Corporate Intellectual Property - US  
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Attorney Docket No. B45198

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wettendorf

Serial No.: 10/070,479

Group Art Unit No.: 1648

Filed: 26 June 2002

Examiner: A. Salimi

For: NOVEL COMPOSITION

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA, 22313-1450

Filing of an Information Disclosure Statement under 37 C.F.R. §1.97(c) and  
Certification under 37 C.F.R. §1.97(e)(1) or (e)(2)

Information Disclosure Statement. The attached list of citations on PTO Form 1449 is being submitted under the provisions of 37 CFR §1.56 and §1.97 in order to comply with the duty of disclosure. Their inclusion herein should not, however, be construed as an admission that any particular cited reference is effective prior art or that it discloses or renders obvious any aspect of the claimed invention. Copies of each are enclosed, except for those references already part of the filewrapper. This statement is being filed with the required Certification and without any fee, in accordance with the provisions of 37 C.F.R. §1.97(c)(1) and (2), i.e., before a Final Action under 37 CFR §1.113 or a Notice of Allowance under 37 CFR §1.111.

note: fees  
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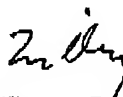
Serial No.: 10/070,479  
Group Art Unit No.: 1648

Statement of Certification. The undersigned hereby certifies either:

(a) that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement, or

(b) that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



William R. Majarian  
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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. B45198	SERIAL NO. 10/070,479
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>		APPLICANT Wettenhorff	
		FILING DATE 6/26/02	GROUP 1648

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes   No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Roden et al., "Assessment of the Serological Relatedness of Genital Human Papillomaviruses by Hemagglutination Inhibition", Journal of Virology, vol. 70, no.5, May 1996, pgs 3298-3301
	Wheeler, "Preventive Vaccines for Cervical Cancer", Salud Publica De Mexico, vol. 39, no. 4, July 1997, pgs 283-287
	Schiller et al., "Papillomavirus-Like Particles and HPV Vaccine Development", Seminars in Cancer biology, Saunders Scientific Publications vol. 7, no. 6, pgs 373-382
	Suzich et al., "Systemic immunization with papillomavirus L1 protein completely prevents the development of viral mucosal papillomas", Proceedings of the National Academy of Sciences of USA, National Academy of Science, vol. 92, 1995, pgs 11553-11557
	Lowe et al., "Human Papillomavirus Type 11 (HPV-11) Neutralizing Antibodies in the Serum and Genital Mucosal Secretions of African Green Monkeys Immunized with HPV-11 Virus-Like Particles Expressed in Yeast", Journal of Infectious Diseases", vol. 176, no.5, 1997 pgs 1141-1145
EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Received BRENTFORD

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PM: N/A

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Datum/Date

10.03.04

Zeichen/Ref./Réf. RJS/B45198-Div1	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n° 3078635.4-1223-
Anmelder/Applicant/Demandeur/Propriétaire/Propriétaire/Titulaire GlaxoSmithKline Biologicals S.A.	

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☐ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: NONE

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 03 07 8635

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (InCL17)
X	RODEN R B S ET AL: "ASSESSMENT OF THE SEROLOGICAL RELATEDNESS OF GENITAL HUMAN PAPILLOMAVIRUSES BY HEMAGGLUTINATION INHIBITION" JOURNAL OF VIROLOGY, THE AMERICAN SOCIETY FOR MICROBIOLOGY, US, vol. 70, no. 5, May 1996 (1996-05), pages 3298-3301, XP002946729 ISSN: 0022-538X * the whole document *	1-6	A61K39/295 A61K39/12
X	WHEELER C M: "PREVENTIVE VACCINE FOR CERVICAL CANCER" SALUD PUBLICA DE MEXICO, MEXICO, MX, vol. 39, no. 4, July 1997 (1997-07), pages 283-287, XP009016363 ISSN: 0036-3634 * the whole document *	1-6	
X	SCHILLER J T ET AL: "PAPILLOMAVIRUS-LIKE PARTICLES AND HPV VACCINE DEVELOPMENT" SEMINARS IN CANCER BIOLOGY, SAUNDERS SCIENTIFIC PUBLICATIONS, PHILADELPHIA, PA, US, vol. 7, no. 6, December 1996 (1996-12), pages 373-382, XP000857170 ISSN: 1044-579X * the whole document *	1-6	TECHNICAL FIELDS SEARCHED (InCL7) A61K C07K
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>20 February 2004</b>	Examiner <b>Niemann, F</b>
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document	

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EPO FORM 1503 (03-03-2004)

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## EUROPEAN SEARCH REPORT

Application Number  
EP 03 07 8635

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	SUZICH J A ET AL: "Systemic immunization with papillomavirus L1 protein completely prevents the development of viral mucosal papillomas" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, US, vol. 92, 1 December 1995 (1995-12-01), pages 11553-11557, XP002083433 ISSN: 0027-8424 * the whole document *		
D, A ✓	WO 95 17209 A (SMITHKLINE BEECHAM BIOLOG.; MOMIN PATRICIA MARIE (BE); GARCON NATHA) 29 June 1995 (1995-06-29) * the whole document *		
A	LOWE R S ET AL: "HUMAN PAPILLOMAVIRUS TYPE 11 (HPV-11) NEUTRALIZING ANTIBODIES IN THE SERUM AND GENITAL MUCOSAL SECRETIONS OF AFRICAN GREEN MONKEYS IMMUNIZED WITH HPV-11 VIRUS-LIKE PARTICLES EXPRESSED IN YEAST" JOURNAL OF INFECTIOUS DISEASES, CHICAGO, IL, US, vol. 176, no. 5, 1997, pages 1141-1145, XP009009603 ISSN: 0022-1899 * the whole document *		
TECHNICAL FIELDS SEARCHED (Int.Cl.7)			
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20 February 2004	Examiner Niemann, F
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document	

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# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 03 07 8635

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20-02-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9517209 A	29-06-1995	AT 177322 T	15-03-1999
		AU 1316495 A	10-07-1995
		AU 687494 B2	26-02-1998
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		DE 69417063 D1	15-04-1999
		DE 69417063 T2	28-10-1999
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		WO 9517210 A1	29-06-1995
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		US 6623739 B1	23-09-2003
		US 6146632 A	14-11-2000
		ZA 9410176 A	17-11-1995

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82



DOCKET No. B45195 Date Mailed 4/1/04 Atty/Secy WRM  
 MAILING: CERTIFICATE/EXPRESS MAIL # First PLADS  
 U.S. Serial No.: 10/070479 Filing Date: 10/26/03  
 Int'l App. No.: \_\_\_\_\_ Int'l Filing Date: \_\_\_\_\_

RECEIPT IS ACKNOWLEDGED FOR THE FOLLOWING:

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☐ Utility/Continuation ☐ CPA ☐ RCE ☐ Divisional ☐ Copy of Notice to Comply  
☐ Specification \_\_\_\_\_ pages ☐ Abstract \_\_\_\_\_ pgs ☐ Diskette ☐ Paper Seq. Listing  
☐ Dec. & Power of Atty \_\_\_\_\_ pages ( ) ☐ Appeal Brief \_\_\_\_\_ pages  
☐ Drawings \_\_\_\_\_ Sheet(s)/Figs \_\_\_\_\_ to \_\_\_\_\_ ☐ Petition \_\_\_\_\_ pgs.  
☐ Assignment \_\_\_\_\_ pages & Recordation Cover Sheet ☐ Status Request  
☐ Trans. Ltr Nat'l Stage Entry (3pgs.) ☐ Trans. Nat'l Stage (2nd sub)  
☐ Information Disclosure Statement ☐ Resp. to Written Opinion  
☒ Form PTO-1449 \_\_\_\_\_ pgs. & \_\_\_\_\_ References ☐ Priority Document  
☐ Amendment ☐ Response \_\_\_\_\_ pages ☐ Notice of Appeal/Brief  
☐ Petition for Extension of Time plus 2 copies ☐ Resp. to Rct. Req. \_\_\_\_\_ pgs.  
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 Int'l App. No.: \_\_\_\_\_ Int'l Filing Date: \_\_\_\_\_

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☐ Dec. & Power of Atty \_\_\_\_\_ pages ( ) ☐ Appeal Brief \_\_\_\_\_ pages  
☐ Drawings \_\_\_\_\_ Sheet(s)/Figs \_\_\_\_\_ to \_\_\_\_\_ ☐ Petition \_\_\_\_\_ pgs.  
☐ Assignment \_\_\_\_\_ pages & Recordation Cover Sheet ☐ Status Request  
☐ Trans. Ltr Nat'l Stage Entry (3pgs.) ☐ Trans. Nat'l Stage (2nd sub)  
☐ Information Disclosure Statement ☐ Resp. to Written Opinion  
☒ Form PTO-1449 \_\_\_\_\_ pgs. & \_\_\_\_\_ References ☐ Priority Document  
☐ Amendment ☐ Response \_\_\_\_\_ pages ☐ Notice of Appeal/Brief  
☐ Petition for Extension of Time plus 2 copies ☐ Resp. to Rct. Req. \_\_\_\_\_ pgs.  
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